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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/621,208	07/15/2003	Jose Agerico R. Moncada	3409-140	1085

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EXAMINER
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POKER, JENNIFER A

ART UNIT	PAPER NUMBER
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2832

DATE MAILED: 04/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/621,208	<b>Applicant(s)</b> MONCADA ET AL.	
	<b>Examiner</b> Jennifer A. Poker	<b>Art Unit</b> 2832	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 July 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 July 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *General Status*

1. This is a first action on the merits of application filed on July 15, 2003. Claims 1-12 are pending and are being examined.

### *Drawings*

2. The drawings are objected to because figures 2a-2c are somewhat illegible seeing that they are handwritten. Many of the reference numbers could not be deciphered. Examples: 115b or 1156.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### *Specification*

3. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

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4. The abstract of the disclosure is objected to because it contains implied phraseology including, "The present invention provides. . ." and "The present invention includes. . ." Correction is required. See MPEP § 608.01(b).

### *Claim Rejections - 35 USC § 112*

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

6. Claims 4 and 10 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification. Applicant states, "...said elongated portion has an approximately rectangular cross-sectional shape." Applicant however does not disclose this specific configuration within the specification.

### *Claim Rejections - 35 USC § 102*

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Number 6,075,430 to Lindqvist.

Regarding claim 1, Lindqvist discloses an inductive component comprising:

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- (1) magnetic core (1) having an elongated cylinder (2);
- (2) two flanges (3, 4), one located at each outer end (8, 9) of the elongated cylinder (2) defining a planar surface;
- (3) a coil (6) wound around the center part of the cylinder (2) between the flanges (3, 4).

It can be seen in figures 1b-1d and figure 2 b that the winding defines a planar surface, which is coplanar with each of the flanges located at the ends of the cylinder.

Regarding claim 7, Lindqvist discloses an inductive device, which enables flexible and inexpensive transformers and inductors to be constructed with the aid of available winding techniques (column 1, lines 39-40); the inductive device comprising:

- (1) two (first and second) magnetic cores both having an elongated central cylinder;
- (2) two flanges on each core; one flange located at each other end of the cylinder; the flanges defining a planar surface;
- (3) a coil wound around the center part of each cylinder, between the flanges;
- (4) a yoke (10) securing the cores together such that the planar surface flanges of one core is coplanar with the planar surface flanges of the second core (figures 2a-2c).

### ***Claim Rejections - 35 USC § 103***

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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10. Claims 2-6 and 8-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Number 6,075,430 to Lindqvist in view of U.S. Patent Number 6,512,175 to Gutierrez.

Regarding claims 2, 3, 6, 8, and 9, Lindqvist discloses the claimed invention except for a mounting frame used to surround a core or cores; secure wire ends; and enables the core/cores to be surfaced mounted on an adjacent structure.

Gutierrez discloses electrical and electronic elements used in printed circuit board applications comprising an electronic packaging device comprising at least one core having a winding located within a non-conducting base member having; the base member having a plurality of lead channels and lead terminals formed therein. The wire leads of the winding are routed through the lead channels and connected to the lead terminals. A plurality of lead terminals, adapted to cooperate with the lead channels, are received within the lead channels, thereby forming an electrical connection between the lead terminals and the wire leads of the electronic component. (Abstract; figure 9; column 5, lines 6-8)

One skilled in the art, at the time the invention was made, would have found it obvious to combine the teachings of Lindqvist with the teachings of Gutierrez and incorporate a base/mounting body with terminals about any core structure for the purposes of electrically connecting the windings and the device to a substrate such as a printed circuit board.

Regarding claims 4 and 10, Lindqvist in view of Gutierrez discloses the claimed invention except for the specific rectangular cross-sectional shape. It would have been obvious to one having ordinary skill in the art to utilize a suitable shape of elongated core in order to optimize results, since applicant has not disclosed that the specific rectangular cross-sectional shape solves any stated problem or is for any particular purpose and it appears that the invention would perform equally

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well with any shape cross section such as the shape disclosed by Lindqvist. Furthermore, examiner could not locate the claimed rectangular shape within the specification.

Regarding claim 5, Lindqvist illustrates in figures 1a and 1b that the winding is wound along the entire length of the elongated center portion of the core between the two flanges.

Claims 11 and 12 are the method counterpart to product claims 1, 2, and 7, and method steps are therefore inherent for manufacturing an inductive element have an elongated core or elongated cores as claimed by the inventor.


### *Contact Information*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer A. Poker whose telephone number is 571-272-1997. The examiner can normally be reached on 5:30-4:00 Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jap  
April 13, 2004

  
**ELVIN ENAD**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2800**  
4/14/04